

REMARKS

Claims 1-13 are all the claims pending in the present application. Claims 1-5, 7-11, and 13 are rejected under 35 U.S.C. § 102(e) as allegedly being anticipated by Melpignano et al. (US Patent Application Publication No. 2003/0003912). Claims 6 and 12 are rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Melpignano in view of Mandhyan et al. (US Patent Application Publication No. 2003/0054767).

§102(e) Rejections (Melpignano) - Claims 1-5, 7-11 and 13

With respect to claim 1, Applicants amend this claim, as indicated herein, and submit that Melpignano does not disclose or suggest at least, “wherein the first communication device, when connection is established with the wireless communication device, transmits to the second communication device information on an address and a clock of the wireless communication device,” as recited in amended claim 1. That is, claim 1 of the present invention describes that the first communication device transmits to the second communication device the information on an address and a clock of the wireless communication device which are determined based on the inquiry when the first communication device becomes connected with the wireless communication device. Accordingly, an exemplary result of the claimed wireless communication system is that the second communication device has already acquired the information on the address and the clock of the wireless communication device before the wireless communication devices requests a hand-off to the second communication device. Therefore, the hand-off time can be shortened.

The above features are not disclosed in Melpignano. By contrast, Melpignano recites that the AP1 (corresponding to the first communication device of our claim 1) which is currently

connected to the mobile terminal (corresponding to the wireless communication device of our claim 1), transmits the information on the mobile terminal to its neighbors AP2 and AP3 (corresponding to the second communication device of our claim 1) after receiving a handoff request from the mobile terminal, not when the API becomes connected with the mobile terminal. For further details, please see paragraph [100] in Melpignano ("after a handoff request has been received, e.g., from the mobile terminal MT to the currently connected access point API, the currently connected access point API transmits multicast gate request message to its neighboring access point AP2, AP3, ...").

Additionally, paragraphs [14], [16], and [90] in Melpignano describes that the inquiry is performed between the APs, and the paging is carried out based on the clock offsets between the APs. In contrast, the claim 1 of the present invention recites that the inquiry is carried out between the first communication device (corresponding to the AP) and the wireless communication device (corresponding to the slave), and that the paging is performed based on the clock information of the wireless communication device. Thus, the present invention, as recited in claim 1, is different from Melpignano.

Applicants amend claim 8, as indicated herein, and submits that this claim is patentable for reasons similar to those set forth above with respect to claim 1.

Applicants submit that dependent claims 2-5, 7, 9-11, and 13 are patentable at least by virtue of their respective dependencies from independent claims 1 and 8.

Further, with respect to claims 4 and 11, the Examiner alleges, *inter alia*, that it is common knowledge that a first communication device checks a connection state with a wireless connection communication every predetermined period. In response, Applicants submit that the

Examiner has obviously utilized impermissible hindsight reasoning in coming to this conclusion, as Melpignano does not even mention that the claimed checking procedure occurs at every predetermined period. The Examiner develops his conclusion that this particular feature is common knowledge only in view of the present invention. Therefore, at least because the above-discussed features is not disclosed or suggested by Melpignano, this reference does NOT anticipate claims 4 and 11.

§103(a) Rejections (Melpignano/Mandhyan) - Claims 6 and 12

Applicants submit that dependent claims 6 and 12 are patentable at least by virtue of their respective dependencies from independent claims 1 and 8.

Further, with respect to claims 6 and 12, Applicants submit that the applied references, either alone or in combination, do not disclose or suggest at least that, “data packets received and transmitted after the connection of the first communication device with the wireless communication device comprise an activation address indicating an activation state of the wireless communication device,” as recited in claims 6 and 12. The Examiner cites paragraphs 24, 39, and 50-52 of Mandhyan as allegedly satisfying the above-quotes feature of claims 6 and 12. The cited portions of Mandhyan generally discuss establishing network connections and the network states of devices within the network, however nowhere do either of the applied references disclose or suggest at least that data packets received and transmitted after the connection of the first communication device with the wireless connection device comprise an activation address indicating an activation state of the wireless communication device. At least based on the foregoing, Applicants submit that claims 6 and 12 are patentably distinguishable over the applied references, either alone or in combination.

AMENDMENT UNDER 37 C.F.R. §1.111
U. S. Application No. 10/701,083

ATTORNEY DOCKET NO. Q76216

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



Diallo T. Crenshaw
Registration No. 52,778

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: November 10, 2005